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Patent/TM/App/Serial # 10 657,502

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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: MEIER

US PATENT & TRADEMARK OFFICE

In re Patent of:)
PETER MEIER & JÜRGEN OETJEN) Examiner: Footland, Lenard A
Patent No.: 6,857,787) Group Art Unit: 3682
Patent Date: February 22, 2005)
For: AXIAL THRUST BEARING)

REQUEST FOR REFUND OF PUBLICATION FEE

Commissioner for Patents
P.O. Box 1450
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(Date)

HENRY M. FEIEREISEN
Name of Registered Representative

[Signature] 11-8-2005
Signature Date of Signature

SIR:

The Notice of Allowance and Fee(s) Due dated October 8, 2004, indicated the Publication was due, along with payment of the Issue Fee. On January 10, 2005, Applicant's Attorney paid the indicated fees by check number 3514 in the total amount of 1,700.00, including \$1,400.00 large entity issue fee and \$300.00 publication fee. (Exhibit A)

Repln. Ref: 11/29/2005 ROLEHONS 0011574500
DAW:060502 Name/Number:10657502
FC: 9204 \$300.00 CR

Docket No.: MEIER
Patent No.: 6,857,787
Issued: February 22, 2005

The above matter issued as U.S. Letters Patent 6,857,787 B1, issued February 22, 2005. However no publication took place as is also evidenced by the absence of any prior publication date on the front page of U.S. Letters Patent 6,857,787 B1. A copy of the front page of the patent is enclosed. (Exhibit B)

Also enclosed is a copy of the Patent Application Information Retrieval search results indicating there was no Earliest Publication No. or Date for the above application number. (Exhibit C).

Applicant hereby requests a refund of the publication fee of \$300.00, which had been previously paid in conjunction with this application.

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Respectfully submitted,

By: 

Henry M. Feiereisen
Agent for Patentee
Reg. No.: 31,084

Date: November 8, 2005
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B

(12) **United States Patent**
Meier et al.

(10) Patent No.: **US 6,857,787 B1**
(45) Date of Patent: **Feb. 22, 2005**

(54) **AXIAL THRUST BEARING**

(75) Inventors: **Peter Meier, Oberreichenbach (DE);
Jürgen Oetjen, Herzogenaurach (DE)**

(73) Assignee: **Ina-Schaeffler KG, Herzogenaurach
(DE)**

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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DE	196 46 351 A1	5/1998
FR	1 339 266 A	10/1963
IT	5 92 639	5/1959

(21) Appl. No.: **10/657,502**

(22) Filed: **Sep. 8, 2003**

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Feb. 6, 2002.

(51) Int. Cl.⁷ **F16C 19/30**

(52) U.S. Cl. **384/619**

(58) Field of Search **384/619, 613,
384/615, 622, 620**

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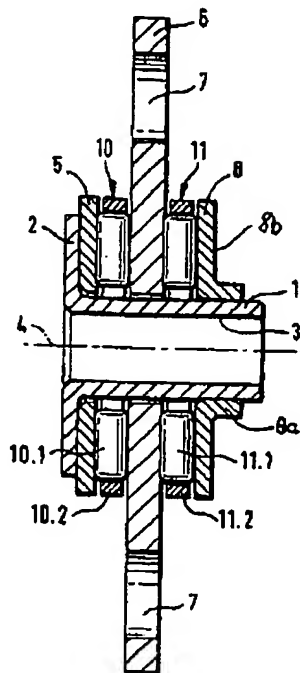
Primary Examiner—**Lenard A. Footland**

(74) Attorney, Agent, or Firm—**Henry M. Feiereisen**

(57) **ABSTRACT**

An axial bearing includes three running disks disposed in neighboring disposition, thereby defining two outer running disks and a middle running disk between the outer running disks. A first rim of rolling bodies is arranged between one outer running disk and the middle running disk, and a second rim of rolling bodies is arranged between the other outer running disk and the middle running disk. Received in a bore of the first and second rims and supporting the first and second rims of rolling bodies is a sleeve which is securely fixed to a shaft extends in axial direction beyond the outer running disks. The sleeve has one end formed with a radially outwardly directed flange which embraces the adjacent one of the outer running disks, wherein the other outer running disk is securely connected to the sleeve to thereby form a unitary bearing structure.

11 Claims, 4 Drawing Sheets



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PATENT APPLICATION INFORMATION RETRIEVAL



Search results as of: 11-8-2005::11:48:44 E.T.

Search results for application number: 10/657,502			
Application Number:	10/657,502	Customer Number:	20151
Filing or 371(c) Date:	09-08-2003	Status:	Patented Case
Application Type:	Utility	Status Date:	02-02-2005
Examiner Name:	FOOTLAND, LENARD A	Location:	ELECTRONIC
Group Art Unit:	3682	Location Date:	-
Confirmation Number:	9332	Earliest Publication No:	-
Attorney Docket Number:	MEIER	Earliest Publication Date:	-
Class/ Sub-Class:	384/619	Patent Number:	6,857,787
First Named Inventor:	Peter Meier, Oberreichenbach, (DE)	Issue Date of Patent:	02-22-2005
Title Of Invention:	AXIAL THRUST BEARING		

Search Options

Assignments
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Foreign Priority
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Maintenance Statement - View 12 year payment window
Patent Term Adjustment History
Published Documents

Maintenance Fees Available: Mon-Fri 5:30 AM to Midnight, Sat-Sun-Hol. 7:30 AM to 8:00 PM E.T.

File History	
Date	Contents Description
08-24-2001	Post Issue Communication - Certificate of Correction
02-14-2001	Request for Foreign Priority (Priority Papers May Be Included)
02-22-2001	Recordation of Patent Grant Mailed
02-02-2005	Issue Notification Mailed
02-22-2005	Patent Issue Date Used in PTA Calculation
01-27-2005	Receipt into Pubs

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01-26-2005	Dispatch to FDC
01-26-2005	Application Is Considered Ready for Issue
01-12-2005	Issue Fee Payment Verified
01-12-2005	Issue Fee Payment Received
12-03-2004	Receipt into Pubs
10-28-2004	Workflow - File Sent to Contractor
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09-30-2004	Notice of Allowance Data Verification Completed
03-11-2004	IFW TSS Processing by Tech Center Complete
09-08-2003	Reference capture on IDS
03-11-2004	Case Docketed to Examiner in GAU
09-08-2003	Information Disclosure Statement (IDS) Filed
12-16-2003	Application Return from OIPE
12-16-2003	Application Return TO OIPE
12-17-2003	Application Is Now Complete
12-16-2003	Application Dispatched from OIPE
12-17-2003	Application Is Now Complete
11-20-2003	Cleared by OIPE CSR
10-12-2003	IFW Scan & PACR Auto Security Review
09-08-2003	Initial Exam Team nn

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